

Carlos N Elias

List of Publications by Citations

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159
papers

3,929
citations

31
h-index

59
g-index

174
ext. papers

4,543
ext. citations

2.9
avg, IF

5.42
L-index

#	Paper	IF	Citations
159	Biomedical applications of titanium and its alloys. <i>Jom</i> , 2008 , 60, 46-49	2.1	507
158	Relationship between surface properties (roughness, wettability and morphology) of titanium and dental implant removal torque. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2008 , 1, 234-42	4.1	299
157	Extended cyclic fatigue life of F2 ProTaper instruments used in reciprocating movement. <i>International Endodontic Journal</i> , 2010 , 43, 1063-8	5.4	201
156	Transformation of monetite to hydroxyapatite in bioactive coatings on titanium. <i>Surface and Coatings Technology</i> , 2001 , 137, 270-276	4.4	143
155	Blue Thermomechanical Treatment Optimizes Fatigue Resistance and Flexibility of the Reciproc Files. <i>Journal of Endodontics</i> , 2017 , 43, 462-466	4.7	133
154	Titanium alloy mini-implants for orthodontic anchorage: immediate loading and metal ion release. <i>Acta Biomaterialia</i> , 2007 , 3, 331-9	10.8	111
153	The physical characterization of a thermoplastic polymer for endodontic obturation. <i>Journal of Dentistry</i> , 2006 , 34, 784-9	4.8	103
152	Improving osseointegration of dental implants. <i>Expert Review of Medical Devices</i> , 2010 , 7, 241-56	3.5	102
151	Ultrafine grained titanium for biomedical applications: An overview of performance. <i>Journal of Materials Research and Technology</i> , 2013 , 2, 340-350	5.5	94
150	Influence of implant shape, surface morphology, surgical technique and bone quality on the primary stability of dental implants. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012 , 16, 169-80	4.1	91
149	The effects of superficial roughness and design on the primary stability of dental implants. <i>Clinical Implant Dentistry and Related Research</i> , 2011 , 13, 215-23	3.9	88
148	Mechanical properties, surface morphology and stability of a modified commercially pure high strength titanium alloy for dental implants. <i>Dental Materials</i> , 2015 , 31, e1-e13	5.7	86
147	Comparison of the mechanical properties of rotary instruments made of conventional nickel-titanium wire, M-wire, or nickel-titanium alloy in R-phase. <i>Journal of Endodontics</i> , 2013 , 39, 516-20	4.7	75
146	In vitro evaluation of frictional forces between archwires and ceramic brackets. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2004 , 125, 56-64	2.1	69
145	Effects of electropolishing surface treatment on the cyclic fatigue resistance of BioRace nickel-titanium rotary instruments. <i>Journal of Endodontics</i> , 2010 , 36, 1653-7	4.7	66
144	Fatigue Life of Reciproc and Mtwo instruments subjected to static and dynamic tests. <i>Journal of Endodontics</i> , 2013 , 39, 693-6	4.7	65
143	Influence of rotational speed on the cyclic fatigue of rotary nickel-titanium endodontic instruments. <i>Journal of Endodontics</i> , 2009 , 35, 1013-6	4.7	64

142	Mechanical and clinical properties of titanium and titanium-based alloys (Ti G2, Ti G4 cold worked nanostructured and Ti G5) for biomedical applications. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 1060-1069	5.5	59
141	Natural Curaua Fiber-Reinforced Composites in Multilayered Ballistic Armor. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015 , 46, 4567-4577	2.3	58
140	Cyclic fatigue of ProTaper instruments. <i>Journal of Endodontics</i> , 2007 , 33, 55-7	4.7	54
139	Bending resistance and dynamic and static cyclic fatigue life of Reciproc and WaveOne large instruments. <i>Journal of Endodontics</i> , 2014 , 40, 575-9	4.7	53
138	Systemic levels of metallic ions released from orthodontic mini-implants. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2009 , 135, 522-9	2.1	50
137	Fungal infection of the radicular dentin. <i>Journal of Endodontics</i> , 2002 , 28, 770-3	4.7	46
136	Influence of different manufacturing methods on the cyclic fatigue of rotary nickel-titanium endodontic instruments. <i>Journal of Endodontics</i> , 2011 , 37, 1553-7	4.7	45
135	Cyclic and Torsional Fatigue Resistance of XP-endo Shaper and TRUShape Instruments. <i>Journal of Endodontics</i> , 2018 , 44, 168-172	4.7	43
134	Properties of ZrO ₂ /Al ₂ O ₃ composite as a function of isothermal holding time. <i>International Journal of Refractory Metals and Hard Materials</i> , 2007 , 25, 374-379	4.1	42
133	Atomic force microscopy analysis of different surface treatments of Ti dental implant surfaces. <i>Applied Surface Science</i> , 2004 , 233, 29-34	6.7	40
132	Sequential bone healing of immediately loaded mini-implants: histomorphometric and fluorescence analysis. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010 , 137, 80-90	2.1	39
131	Nanostructured severe plastic deformation processed titanium for orthodontic mini-implants. <i>Materials Science and Engineering C</i> , 2013 , 33, 4197-202	8.3	38
130	Sequential bone healing of immediately loaded mini-implants. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2008 , 134, 44-52	2.1	38
129	Properties of Y-TZP/Al ₂ O ₃ ceramic nanocomposites obtained by high-energy ball milling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 502, 6-12	5.3	33
128	In vitro cellular response to titanium electrochemically coated with hydroxyapatite compared to titanium with three different levels of surface roughness. <i>Journal of Materials Science: Materials in Medicine</i> , 2003 , 14, 511-9	4.5	31
127	Mechanical properties and cytotoxicity of 3Y-TZP bioceramics reinforced with Al ₂ O ₃ particles. <i>Ceramics International</i> , 2009 , 35, 709-718	5.1	30
126	Influence of Surface Roughness on the Fatigue Life of Nickel-Titanium Rotary Endodontic Instruments. <i>Journal of Endodontics</i> , 2016 , 42, 965-8	4.7	30
125	Mechanical behavior of pathfinding endodontic instruments. <i>Journal of Endodontics</i> , 2012 , 38, 1417-21	4.7	28

124	Properties and Performance of Ultrafine Grained Titanium for Biomedical Applications. <i>Materials Research</i> , 2015 , 18, 1163-1175	1.5	27
123	Influence of the coating material on the loosening of dental implant abutment screw joints. <i>Materials Science and Engineering C</i> , 2006 , 26, 1361-1366	8.3	26
122	Integrity of implant surface modifications after insertion. <i>International Journal of Oral and Maxillofacial Implants</i> , 2014 , 29, 97-104	2.8	25
121	Influence of the geometry of curved artificial canals on the fracture of rotary nickel-titanium instruments subjected to cyclic fatigue tests. <i>Journal of Endodontics</i> , 2013 , 39, 704-7	4.7	25
120	Torsional Fatigue Resistance of Blue-treated Reciprocating Instruments. <i>Journal of Endodontics</i> , 2018 , 44, 1038-1041	4.7	23
119	Cyclic fatigue resistance of ProTaper Universal instruments when subjected to static and dynamic tests. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2010 , 110, 401-4		22
118	Mechanical properties of Y-TPZ ceramics obtained by liquid phase sintering using bioglass as additive. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 478, 257-263	5.3	22
117	Nanosized hydroxyapatite and tricalcium phosphate composite: Physico-chemical, cytotoxicity, morphological properties and in vivo trial. <i>Scientific Reports</i> , 2019 , 9, 19602	4.9	21
116	Participation of integrin β in osteoblast differentiation induced by titanium with nano or microtopography. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 1303-1313	5.4	20
115	Influence of curvature location along an artificial canal on cyclic fatigue of a rotary nickel-titanium endodontic instrument. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2011 , 111, 792-6		20
114	Understanding the shape-memory alloys used in orthodontics. <i>ISRN Dentistry</i> , 2011 , 2011, 132408		20
113	Influence of heat treatment on torsional resistance and surface roughness of nickel-titanium instruments. <i>International Endodontic Journal</i> , 2019 , 52, 1645-1651	5.4	19
112	Simulação 3D de movimento ortodôntico. <i>Dental Press Journal of Orthodontics</i> , 2010 , 15, 98-108	1.3	19
111	Cross-section dimensions and mechanical properties of esthetic orthodontic coated archwires. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2013 , 143, S85-91	2.1	18
110	Mechanical testing and finite element analysis of orthodontic teardrop loop. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2008 , 133, 188.e9-13	2.1	18
109	Frictional resistance of self-ligating versus conventional brackets in different bracket-archwire-angle combinations. <i>Journal of Applied Oral Science</i> , 2014 , 22, 228-34	3.3	17
108	Force extension relaxation of medium force orthodontic latex elastics. <i>Angle Orthodontist</i> , 2011 , 81, 812-9	2.6	16
107	In vitro analysis of the microbiological sealing of tapered implants after mechanical cycling. <i>Clinical Oral Investigations</i> , 2016 , 20, 2437-2445	4.2	15

106	Torsional resistance of retreatment instruments. <i>Journal of Endodontics</i> , 2011 , 37, 1442-5	4.7	15
105	Influence of thermal or chemical degradation on the frictional force of an experimental coated NiTi wire. <i>Angle Orthodontist</i> , 2011 , 81, 484-9	2.6	15
104	Buckling resistance of pathfinding endodontic instruments. <i>Journal of Endodontics</i> , 2012 , 38, 402-4	4.7	14
103	Oral degradation of Y-TZP ceramics. <i>Ceramics International</i> , 2019 , 45, 9955-9961	5.1	13
102	Shear bond resistance and enamel surface comparison after the bonding and debonding of ceramic and metallic brackets. <i>Dental Press Journal of Orthodontics</i> , 2014 , 19, 77-85	1.3	13
101	Mechanical properties of NiTi and CuNiTi shape-memory wires used in orthodontic treatment. Part 1: stress-strain tests. <i>Dental Press Journal of Orthodontics</i> , 2013 , 18, 35-42	1.3	13
100	Titanium dental implant surfaces. <i>Revista Materia</i> , 2010 , 15, 138-142	0.8	13
99	Effect of thermocycling on the tensile and shear bond strengths of three soft liners to a denture base resin. <i>Journal of Applied Oral Science</i> , 2007 , 15, 18-23	3.3	13
98	Mechanical properties of NiTi and CuNiTi wires used in orthodontic treatment. Part 2: Microscopic surface appraisal and metallurgical characteristics. <i>Dental Press Journal of Orthodontics</i> , 2014 , 19, 69-76	1.3	12
97	Fatigue behavior of 3%Y2O3-doped ZrO2 ceramics. <i>Journal of Materials Research and Technology</i> , 2014 , 3, 48-54	5.5	12
96	Torsional properties of pathfinding instruments. <i>Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontics</i> , 2011 , 112, 667-70		12
95	Evaluation of esthetic brackets resistance to torsional forces from the archwire. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2009 , 135, 42-8	2.1	12
94	Performance of 3Y-TZP bioceramics under cyclic fatigue loading. <i>Materials Research</i> , 2008 , 11, 89-92	1.5	12
93	Is it possible to re-use mini-implants for orthodontic anchorage? Results of an in vitro study. <i>Materials Research</i> , 2010 , 13, 521-525	1.5	11
92	Martensitic transformation of austenitic stainless steel orthodontic wires during intraoral exposure. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010 , 138, 714.e1-5; discussion 714-5	2.1	11
91	In vitro degradation of poly-L-D-lactic acid (PLDLA) pellets and powder used as synthetic alloplasts for bone grafting. <i>Journal of Materials Science: Materials in Medicine</i> , 2008 , 19, 3227-34	4.5	11
90	Efficiency of different protocols for enamel clean-up after bracket debonding: an in vitro study. <i>Dental Press Journal of Orthodontics</i> , 2015 , 20, 78-85	1.3	10
89	Assessment of exogenous pigmentation in colourless elastic ligatures. <i>Journal of Orthodontics</i> , 2014 , 41, 147-51	1.6	9

88	Preparation of Bioactive Titanium Surfaces via Fluoride and Fibronectin Retention. <i>International Journal of Biomaterials</i> , 2012 , 2012, 290179	3.2	9
87	Titanium Dental Implants With Different Morphologies. <i>Surface Engineering</i> , 2002 , 18, 46-49	2.6	9
86	Fracture strength of orthodontic mini-implants. <i>Dental Press Journal of Orthodontics</i> , 2017 , 22, 47-54	1.3	8
85	Orthodontic implants: concepts for the orthodontic practitioner. <i>International Journal of Dentistry</i> , 2012 , 2012, 549761	1.9	8
84	Superficial morphology and mechanical properties of in vivo aged orthodontic ligatures. <i>Dental Press Journal of Orthodontics</i> , 2013 , 18, 107-12	1.3	8
83	Evaluation of the friction force generated by monocristalyne and policristalyne ceramic brackets in sliding mechanics. <i>Dental Press Journal of Orthodontics</i> , 2013 , 18, 121-7	1.3	8
82	Ceramic surface polishing techniques after removal of orthodontic adhesive. <i>Angle Orthodontist</i> , 2009 , 79, 790-5	2.6	8
81	Avaliaço do torque para inserço, remoço e fratura de diferentes mini-implantes ortodnticos. <i>Revista Dental Press De Ortodontia E Ortopedia Facial</i> , 2008 , 13, 76-87		8
80	Early Osseointegration Events on Neoss ProActive and Bimodal Implants: A Comparison of Different Surfaces in an Animal Model. <i>Clinical Implant Dentistry and Related Research</i> , 2015 , 17, 1060-72 ^{3.9}		7
79	Mechanical characteristics of counterfeit Reciproc instruments: a call for attention. <i>International Endodontic Journal</i> , 2018 , 51, 556-563	5.4	7
78	Caracterizaço de mini-implantes utilizados na ancoragem ortodntica. <i>Revista Dental Press De Ortodontia E Ortopedia Facial</i> , 2008 , 13, 49-56		7
77	The effect of partial substitution of nb for v on austenite grain size and hardness of a tool steel. <i>Journal of Materials Engineering and Performance</i> , 1992 , 1, 751-754	1.6	7
76	Effect of focal adhesion kinase inhibition on osteoblastic cells grown on titanium with different topographies. <i>Journal of Applied Oral Science</i> , 2020 , 28, e20190156	3.3	7
75	Modeling of the Influence of Chemical Composition, Sintering Temperature, Density, and Thickness in the Light Transmittance of Four Zirconia Dental Prostheses. <i>Materials</i> , 2019 , 12,	3.5	6
74	Influence of acid treatment on surface properties and in vivo performance of Ti6Al4V alloy for biomedical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2017 , 28, 164	4.5	6
73	Influence of cortical thickness on the stability of mini-implants with microthreads. <i>Brazilian Oral Research</i> , 2015 , 29,	2.6	6
72	Effect of ausforming on microstructure and hardness of AISI H-13 tool steel modified with niobium. <i>Materials Science and Technology</i> , 1992 , 8, 785-790	1.5	6
71	Comparative study of compressive and fatigue strength of dental implants made of nanocrystalline Ti Hard and microcrystalline Ti G4. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2017 , 40, 696-705	3	5

70	Adhesion of ceramic tile coating system on concrete block wall. <i>Construction and Building Materials</i> , 2020 , 244, 118278	6.7	5
69	Influence of Screw Length and Bone Thickness on the Stability of Temporary Implants. <i>Materials</i> , 2015 , 8, 6558-6569	3.5	5
68	Surface morphology changes of acrylic resins during finishing and polishing phases. <i>Dental Press Journal of Orthodontics</i> , 2013 , 18, 26-30	1.3	5
67	Shear bond strengths of orthodontic brackets with a new LED cluster curing light. <i>Journal of Orthodontics</i> , 2010 , 37, 37-42	1.6	5
66	Asymmetric headgear for differential molar movement: a study using finite element analysis. <i>Journal of Orthodontics</i> , 2009 , 36, 145-51	1.6	5
65	Scanning electron microscopic investigation of the surface of gutta-percha cones after cutting. <i>Journal of Endodontics</i> , 2000 , 26, 418-20	4.7	5
64	Physico-chemical and Biological Properties of a New Portland Cement-based Root Repair Material. <i>European Endodontic Journal</i> , 2018 , 3, 38-47	1.5	5
63	Properties of a bovine collagen type I membrane for guided bone regeneration applications. <i>E-Polymers</i> , 2021 , 21, 210-221	2.7	5
62	Evaluation of the Effect of Air Polishing With Different Abrasive Powders on the Roughness of Implant Abutment Surface: An In Vitro Study. <i>Journal of Oral Implantology</i> , 2019 , 45, 202-206	1.2	4
61	Clinical evaluation of anodized surface implants submitted to a counter torque of 25'ncm after 60'days of osseointegration: study in humans. <i>Journal of Maxillofacial and Oral Surgery</i> , 2015 , 14, 1-6	0.9	4
60	Mechanical Properties of Anatomic Finishing Files: XP-Endo Finisher and XP-Clean. <i>Brazilian Dental Journal</i> , 2018 , 29, 208-213	1.9	4
59	Mechanical Performance of Nickel-titanium Archwires. <i>Materials Research</i> , 2015 , 18, 1264-1277	1.5	4
58	Sliding resistance of polycarbonate self-ligating brackets and stainless steel esthetic archwires. <i>Progress in Orthodontics</i> , 2012 , 13, 148-53	3.4	4
57	Characterization of ceramic powders used in the inCeram systems to fixed dental Prosthesis. <i>Materials Research</i> , 2007 , 10, 47-51	1.5	4
56	Viability and collagen secretion by fibroblasts on titanium surfaces with different acid-etching protocols. <i>International Journal of Implant Dentistry</i> , 2019 , 5, 41	2.8	4
55	Surface analysis of 2 orthodontic mini-implants after clinical use. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2016 , 150, 89-97	2.1	4
54	Effects of different primers on indirect orthodontic bonding: Shear bond strength, color change, and enamel roughness. <i>Korean Journal of Orthodontics</i> , 2018 , 48, 245-252	1.4	3
53	Dental implants. <i>International Journal of Biomaterials</i> , 2013 , 2013, 838565	3.2	3

52	Morphological evaluation of the active tip of six types of orthodontic mini-implants. <i>Dental Press Journal of Orthodontics</i> , 2013 , 18, 36-41	1.3	3
51	Comparison of some physical properties of finger spreaders made of stainless steel or nickel-titanium alloys. <i>Clinical Oral Investigations</i> , 2011 , 15, 661-5	4.2	3
50	A estética no sistema de braquetes autoligáveis. <i>Revista Dental Press De Ortodontia E Ortopedia Facial</i> , 2008 , 13, 97-103		3
49	Bioactivity Assessment of Hydroxyapatite Coatings Produced by Alkali Conversion of Monetite. <i>Key Engineering Materials</i> , 2000 , 192-195, 59-62	0.4	3
48	Influence of heat treatment on the yield strength of orthodontic stainless steel wires. <i>Journal of Materials Science Letters</i> , 1993 , 12, 1703-1704		3
47	Comparison of the wettability and corrosion resistance of two biomedical Ti alloys free of toxic elements with those of the commercial ASTM F136 (Ti6Al4V) alloy. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 16329-16338	5.5	3
46	Performance of Nano-Hydroxyapatite/Beta-Tricalcium Phosphate and Xenogenic Hydroxyapatite on Bone Regeneration in Rat Calvarial Defects: Histomorphometric, Immunohistochemical and Ultrastructural Analysis. <i>International Journal of Nanomedicine</i> , 2021 , 16, 3473-3485	7.3	3
45	Effect of sintering process on microstructure, 4-point flexural strength, and grain size of yttria-stabilized tetragonal zirconia polycrystal for use in monolithic dental restorations. <i>Journal of Prosthetic Dentistry</i> , 2021 , 125, 824.e1-824.e8	4	3
44	Influence of CAD-CAM milling on the flexural strength of Y-TZP dental ceramics. <i>Ceramics International</i> , 2019 , 45, 10250-10259	5.1	2
43	Creep Fracture Mechanisms and Maps in Aisi Type 316 Austenitic Stainless Steels from Distinct Origins. <i>Materials Research</i> , 2017 , 20, 892-898	1.5	2
42	Mechanical Strength and Surface Roughness of Magnesium-Based Metallic Glasses. <i>Jom</i> , 2017 , 69, 1175-1184		2
41	Insertion torque versus mechanical resistance of mini-implants inserted in different cortical thickness. <i>Dental Press Journal of Orthodontics</i> , 2014 , 19, 90-4	1.3	2
40	Degradation and Mechanical Properties of Zirconia 3-Unit Fixed Dental Prostheses Machined on a CAD/CAM System. <i>International Journal of Applied Ceramic Technology</i> , 2014 , 11, 513-523	2	2
39	Anomalous Strain Rate Effect in Ultrafine Grained Titanium. <i>Journal of Materials Research and Technology</i> , 2012 , 1, 200-202	5.5	2
38	The fracture evaluation of NiTi SMA endodontics files. <i>Materials Research</i> , 2007 , 10, 395-398	1.5	2
37	Preparation of Biodegradable Poly(L-Lactide) (PLA) Nanoparticles Containing DMSA (Dimercaptosuccinic Acid) as Novel Radiopharmaceutical. <i>Advanced Science Letters</i> , 2012 , 10, 143-145	0.1	2
36	A NiTi rotary instrument manufactured by twisting: morphology and mechanical properties 2011 , 1, 21-27		2
35	Assessment of surface friction of self-ligating brackets under conditions of angulated traction. <i>Dental Press Journal of Orthodontics</i> , 2012 , 17, 51-56	1.3	2

34	Galvanic Corrosion of Ti Dental Implants Coupled to CoCrMo Prosthetic Component. <i>International Journal of Biomaterials</i> , 2021 , 2021, 1313343	3.2	2
33	Fatigue resistance of endodontic instruments manufactured in NiTi CM Wire and in conventional NiTi alloy with eletrochemical treatment. <i>Rgo</i> , 2018 , 66, 111-116	0.7	2
32	Apicoectomy and Scanning Electron Microscopy Analysis of an Implant Infected by Apical (Retrograde) Peri-implantitis: A Case Letter. <i>Journal of Oral Implantology</i> , 2018 , 44, 287-291	1.2	2
31	Development of 70/30 Poly-l-dl-Lactic Acid Filaments for 3D Printers (Part 1): Filament Manufacturing and Characterization of Printed Samples for Use as Bioabsorbable Products. <i>Jom</i> , 2017 , 69, 71-77	2.1	1
30	A novel hybrid nanoparticle based on Fe ₃ O ₄ /TMAOH/poly(L-co-D,L lactic acid-co-trimethylene carbonate) prepared through the solvent displacement method. <i>Hyperfine Interactions</i> , 2019 , 240, 1	0.8	1
29	Influence of Surface Morphology on the Torsion Fracture of NiTi Endodontic Instruments. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 2533-2538	1.6	1
28	Development of 70/30 Poly-L-DL-Lactic Acid Filaments for 3D Printers (Part 2): Mechanical and Surface Properties of Bioabsorbable Printed Plates for Biomedical Applications. <i>Jom</i> , 2017 , 69, 78-83	2.1	1
27	Stability of smooth and rough mini-implants: clinical and biomechanical evaluation - an in vivostudy. <i>Dental Press Journal of Orthodontics</i> , 2015 , 20, 35-42	1.3	1
26	In Vitro Degradation of Poly-L-DL-Lactic Acid (PLDLLA) after Two Processing Methods. <i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> , 2014 , 20, 45-64	0.6	1
25	Bleaching effects on shear bond strengths of orthodontic brackets. <i>Progress in Orthodontics</i> , 2012 , 13, 23-9	3.4	1
24	Análise química e morfológica do esmalte dentário humano tratado com laser argônio durante a colagem ortodôntica. <i>Dental Press Journal of Orthodontics</i> , 2011 , 16, 100-107	1.3	1
23	Análise do movimento inicial de molares superiores submetidos a forças extrabucais: estudo 3D. <i>Dental Press Journal of Orthodontics</i> , 2010 , 15, 37-39	1.3	1
22	Zirconia Blocks Properties Used for CAD/CAM Dentistry Restorations. <i>Materials Science Forum</i> , 2012 , 727-728, 804-808	0.4	1
21	Properties of Nanostructured 3Y-TZP Blocks Used for CAD/CAM Dental Restoration. <i>Key Engineering Materials</i> , 2008 , 396-398, 603-606	0.4	1
20	Surface Characteristics and Microbiological Analysis of a Vat-Photopolymerization Additive-Manufacturing Dental Resin.. <i>Materials</i> , 2022 , 15,	3.5	1
19	Flexural Strength of Vitreous Ceramics Based on Lithium Disilicate and Lithium Silicate Reinforced with Zirconia for CAD/CAM.. <i>International Journal of Biomaterials</i> , 2022 , 2022, 5896511	3.2	1
18	Influence of oral pH Environment in the Corrosion Resistance of Cr-Co-Mo alloy Used for Dentistry Prosthetic Components. <i>Materials Research</i> , 2019 , 22,	1.5	1
17	Influência da secção transversa de fios ortodônticos na fricção superficial de braquetes autoligados. <i>Dental Press Journal of Orthodontics</i> , 2011 , 16, 35.e1-35.e7	1.3	1

16	Influence of heat treatment on color and flexibility of nickel-titanium endodontic instruments. <i>Rgo</i> , 68,	0.7	1
15	Dental application 2019 , 237-253		1
14	Development of a novel nano-biomaterial for biomedical applications. <i>Materials Research Express</i> , 2018 , 5, 125014	1.7	1
13	In vitro analysis of prosthetic abutment and angulable frictional implant interface adaptation: Mechanical and microbiological study. <i>Journal of Biomechanics</i> , 2021 , 128, 110733	2.9	1
12	Miniscrew-assisted rapid palatal expansion (MARPE): how to achieve greater stability. In vitro study. <i>Dental Press Journal of Orthodontics</i> , 2021 , 26, e211967	1.3	1
11	Effect of argon laser curing on the shear bond strength of metal brackets bonded with light-cured glass ionomer cement. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2005 , 128, 740-3; quiz 802	2.1	0
10	Comparison of feldspathic veneer surface treatments on ceramic bracket SBS, ARI and surface roughness after different debonding/polishing methods: An in vitro study. <i>International Orthodontics</i> , 2021 , 19, 679-684	0.9	0
9	Performance of cementitious matrices incorporating concrete floor polishing sludge waste. <i>Construction and Building Materials</i> , 2020 , 265, 120119	6.7	0
8	Physical Properties and Color Stainability by Coffee and Red Wine of Opaque and High Translucency Zirconia Dental Ceramics after Hydrothermal Degradation. <i>International Journal of Biomaterials</i> , 2022 , 2022, 1-11	3.2	0
7	Extensimetric analysis of strain in craniofacial bones during implant-supported palatal expansion. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 76, 104-109	4.1	
6	Primary Stability of Temporary Screws after Dentary and Orthopedic Forces under Static and Dynamic Load Cycles. <i>Metals</i> , 2017 , 7, 80	2.3	
5	Influence of CAD/CAM Grinding in the Performance of Sintered Dental Zirconia Framework. <i>Materials Science Forum</i> , 2012 , 727-728, 1081-1084	0.4	
4	Sequential Bone Response to Immediately Loaded Mini-Implants, in vivo Study. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 925, 1		
3	Microstructure of a steel perforated by a metallic jet. <i>Materials Characterization</i> , 1992 , 29, 35-38	3.9	
2	Mechanical Performance of Different Nickel-Titanium Archwires Used in Dentistry 213-215		
1	Análise da superfície e osseointegração de implantes dentários com superfícies biomiméticas contendo Ca, Mg e F. <i>Revista Materia</i> , 2016 , 21, 196-203	0.8	